T0022T*h6T72007

FIG. 1

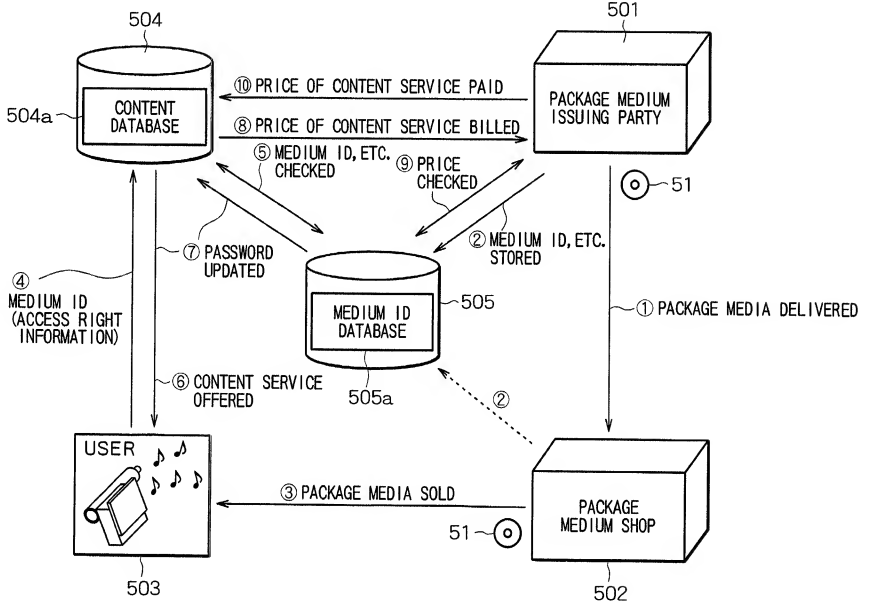

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FIG. 2

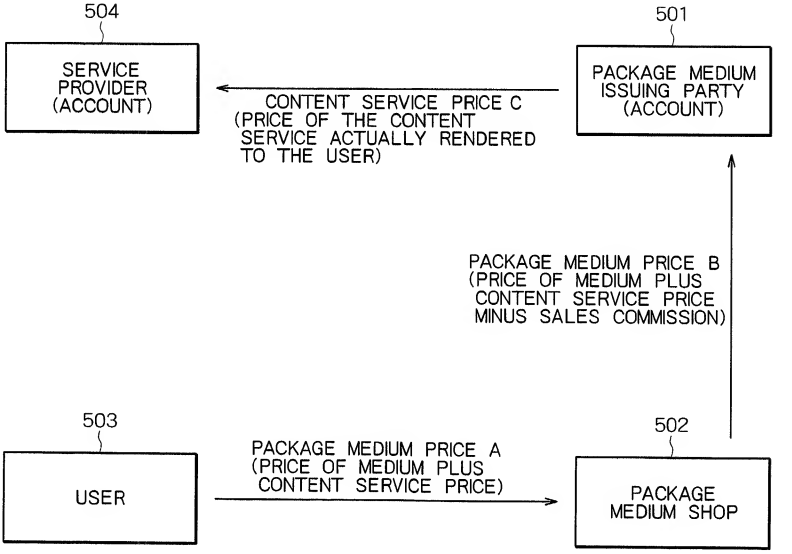

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FIG. 3

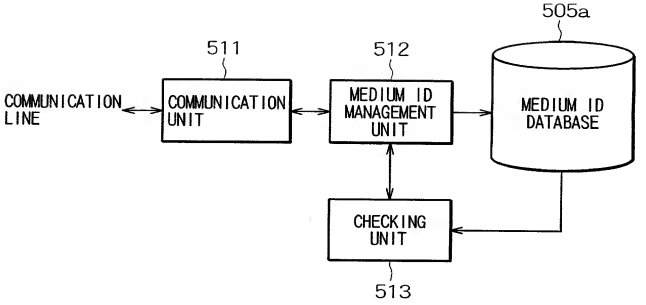

FIG. 4

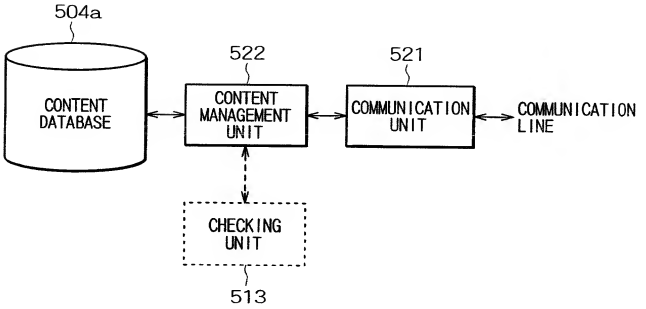

FIG. 5A

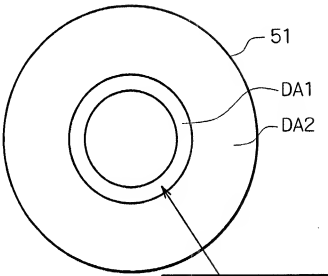

FIG. 5B

MEDIUM ID		ACCESS RIGHT INFORMATION		
ID	PASSWORD	CONTENT	UPLOAD	DOWNLOAD
10001A	qwerty	access Key	0 (AUTHORIZED)	0 (AUTHORIZED)

FIG.6

MEDIUM ID		ACCESS RIGHT INFORMATION		
ID	PASSWORD	CONTENT	UPLOAD	DOWNLOAD
10001A	qwerty	/media/id/1001A/access Key	0 (AUTHORIZED)	0 (AUTHORIZED)
10002B	yuiop@	/media/id/1002B/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)
10003C	asdfg	/media/id/1003C/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)
10004A	zxcvbn	/media/id/1004D/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)
≈	≈	≈	≈	≈
90009X	!"#$%&'	/media/id/9009X/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)

JP2002274194A 2002.09.25

FIG. 7

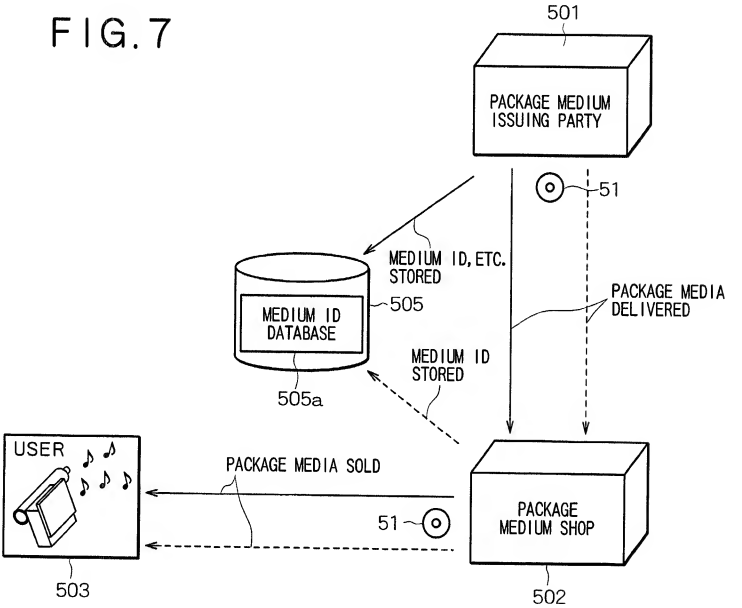

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FIG. 8

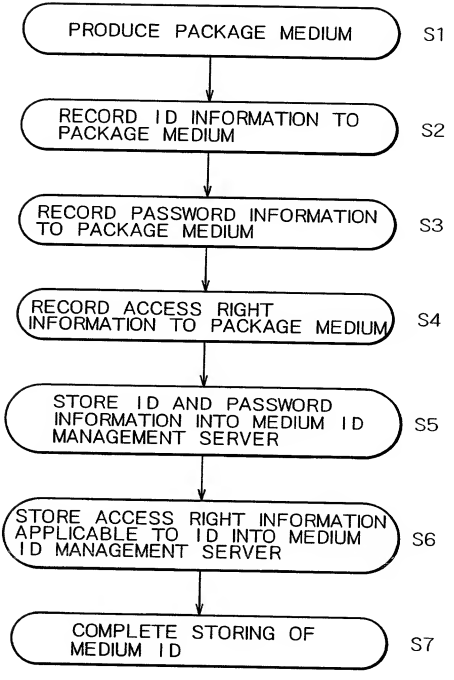

FIG. 9

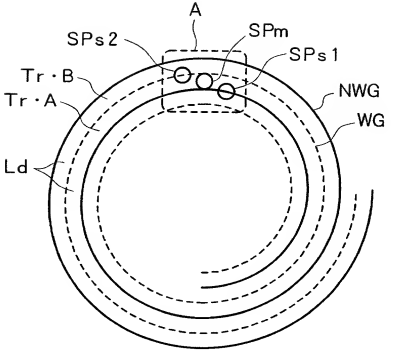

FIG. 10A FIG. 10B

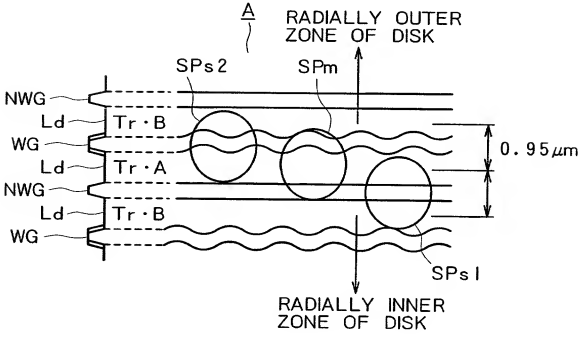

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FIG. 11

	MD-DATA2	MD-DATA1
TRACK PITCH	0.95μm	1.6μm
BIT LENGTH	0.39μm/bit	0.59μm/bit
λ・NA	650nm ・0.52	780nm ・0.45
RECORDING MODE	LAND RECORDING	GROOVE RECORDING
ADDRESS SYSTEM	INTERLACE ADDRESSING (DOUBLE-SPIRAL ONE-SIDE WOBBLE)	SINGLE-SPIRAL TWO-SIDE WOBBLE
MODULATION TECHNIQUE	RLL(1、7)	EFM
ERROR CORRECTING SYSTEM	RS-PC	ACIRC
INTERLEAVE	BLOCK CONTAINED	CONVOLUTION
REDUNDANCY	19.7%	46.3%
LINEAR VELOCITY	2.0m/s	1.2m/s
DATA RATE	589kB/s	133kB/s
STORAGE CAPACITY	650MB	140MB

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FIG. 12A

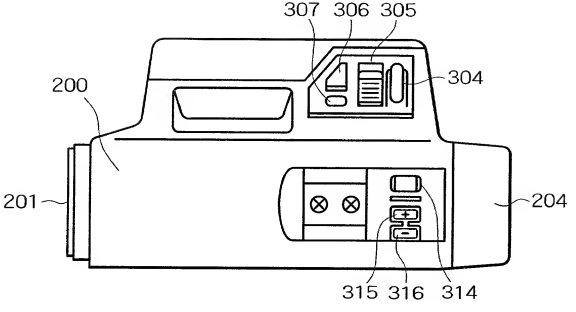

FIG. 12B

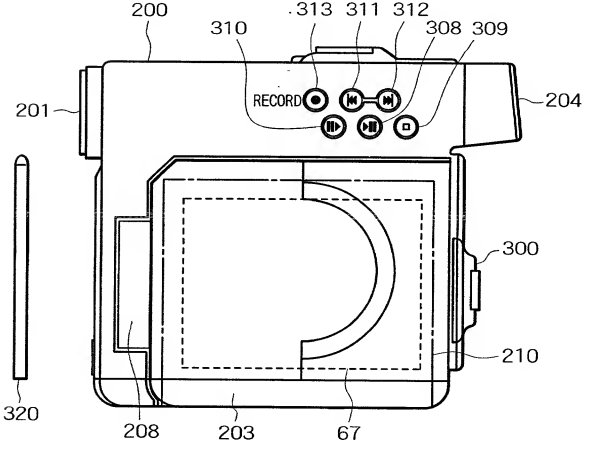

FIG. 13A

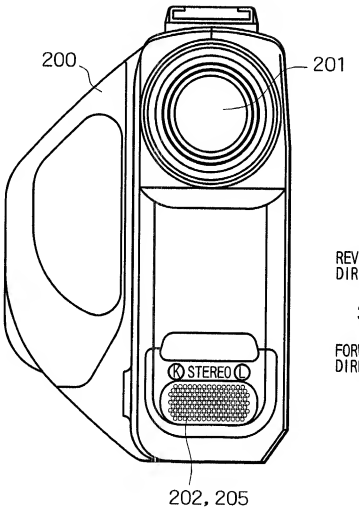

FIG. 13B

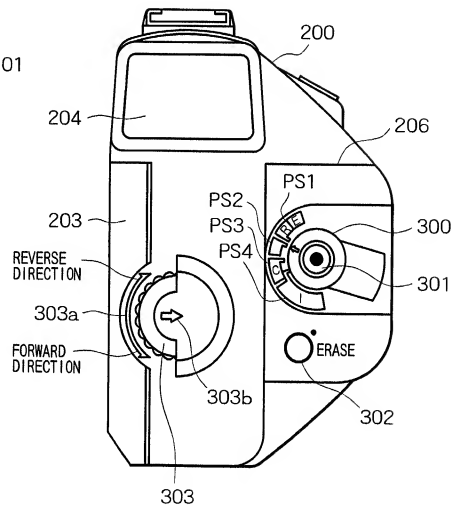

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FIG. 14A

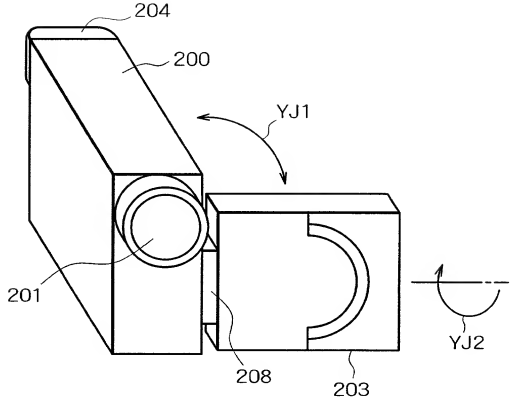

FIG. 14B

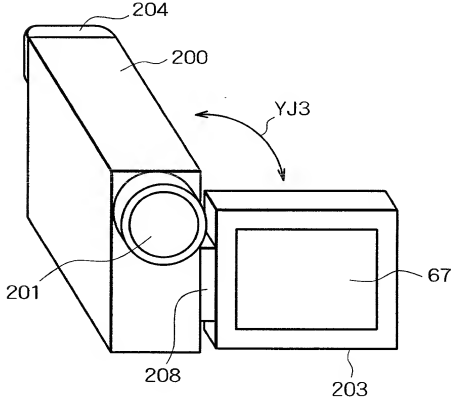

FIG. 15

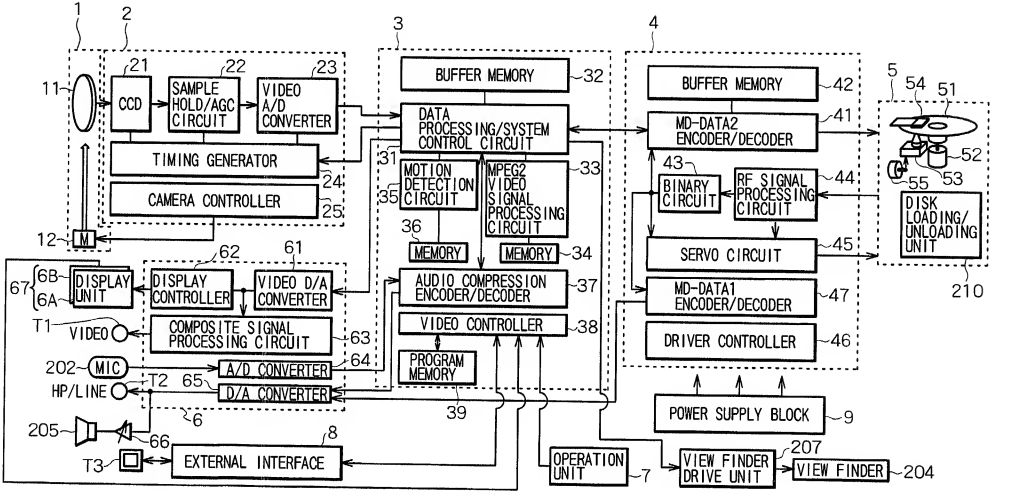
1
2
3
4
5
11
12
M
21
CCD
22
SAMPLE HOLD/AGC CIRCUIT
23
VIDEO A/D CONVERTER
24
TIMING GENERATOR
25
CAMERA CONTROLLER
31
BUFFER MEMORY
32
DATA PROCESSING/SYSTEM CONTROL CIRCUIT
33
MOTION DETECTION CIRCUIT
35
MPEG2 VIDEO SIGNAL PROCESSING CIRCUIT
36
MEMORY
34
MEMORY
37
AUDIO COMPRESSION ENCODER/DECODER
38
VIDEO CONTROLLER
39
PROGRAM MEMORY
42
BUFFER MEMORY
41
MD-DATA2 ENCODER/DECODER
43
BINARY CIRCUIT
44
RF SIGNAL PROCESSING CIRCUIT
45
SERVO CIRCUIT
47
MD-DATA1 ENCODER/DECODER
46
DRIVER CONTROLLER
54
51
52
55
53
DISK LOADING/ UNLOADING UNIT
210
62
61
67
6B
6A
DISPLAY UNIT
DISPLAY CONTROLLER
VIDEO D/A CONVERTER
T1
VIDEO
COMPOSITE SIGNAL PROCESSING CIRCUIT
63
202
MIC
A/D CONVERTER
64
HP/LINE
T2
65
D/A CONVERTER
6
205
66
T3
8
EXTERNAL INTERFACE
POWER SUPPLY BLOCK
9
OPERATION UNIT
7
VIEW FINDER DRIVE UNIT
207
VIEW FINDER
204

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FIG. 16

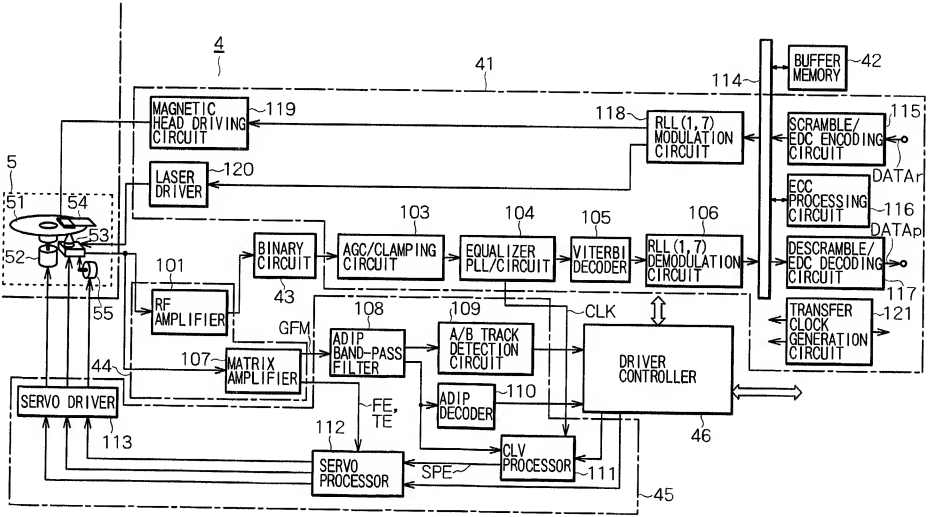

FIG. 17

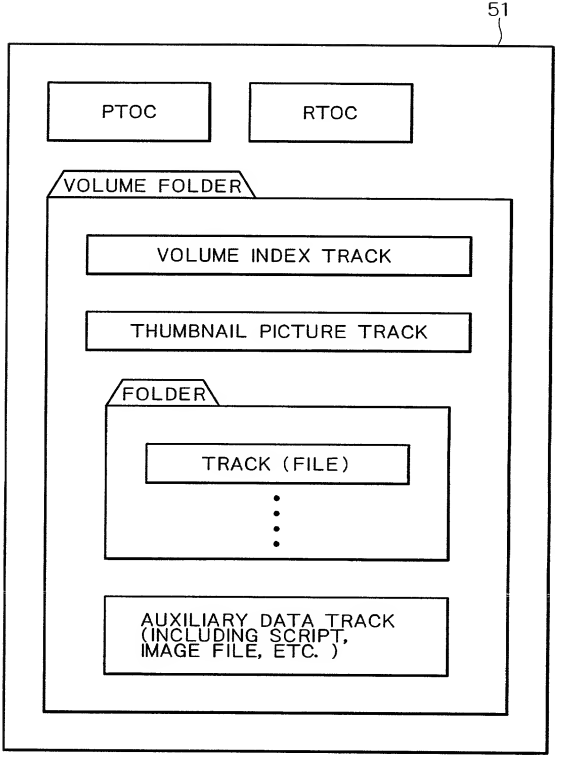

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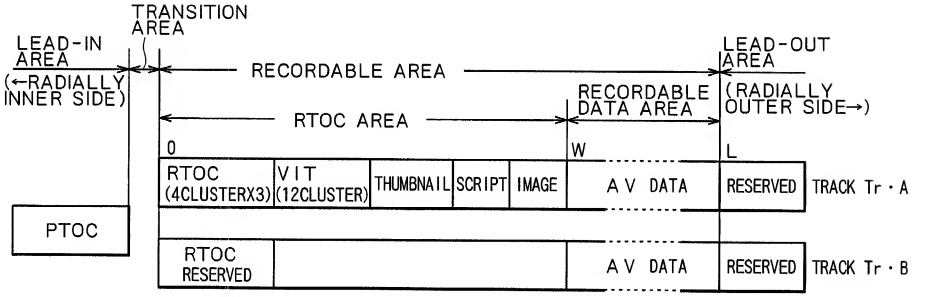
FIG. 18



W: RECORDABLE DATA AREA START ADDRESS
L: LEAD-OUT AREA START ADDRESS

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FIG.19

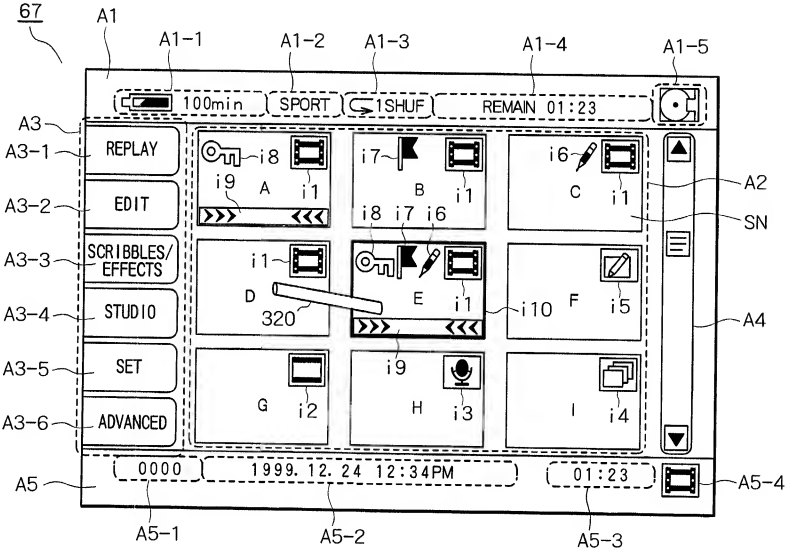

FIG. 20

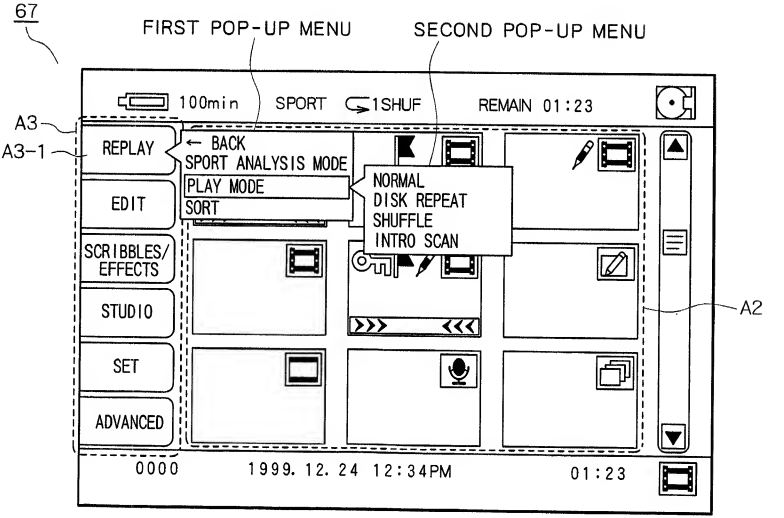
67
FIRST POP-UP MENU
SECOND POP-UP MENU
100min
SPORT
1SHUF
REMAIN 01:23
A3
A3-1
REPLAY
EDIT
SCRIBBLES/ EFFECTS
STUDIO
SET
ADVANCED
← BACK
SPORT ANALYSIS MODE
PLAY MODE
SORT
NORMAL
DISK REPEAT
SHUFFLE
INTRO SCAN
A2
0000
1999. 12. 24 12:34PM
01:23

FIG. 21

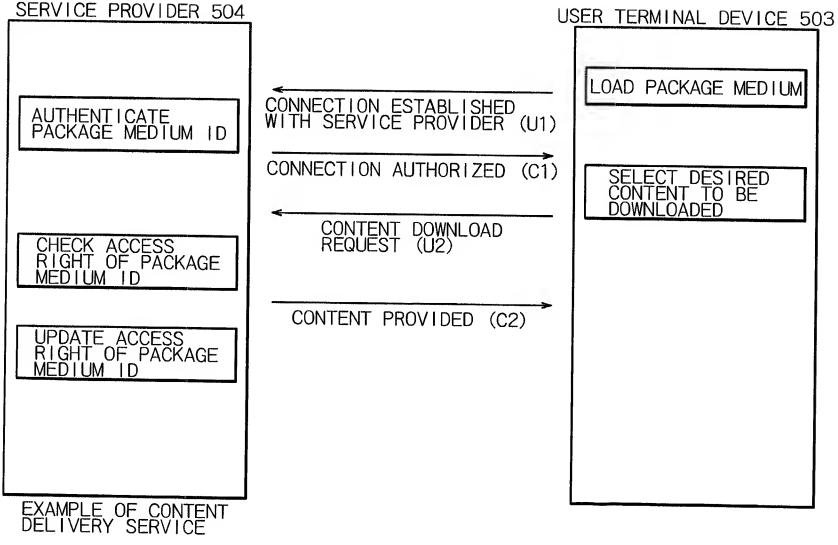
SERVICE PROVIDER 504
USER TERMINAL DEVICE 503
AUTHENTICATE PACKAGE MEDIUM ID
CHECK ACCESS RIGHT OF PACKAGE MEDIUM ID
UPDATE ACCESS RIGHT OF PACKAGE MEDIUM ID
CONNECTION ESTABLISHED WITH SERVICE PROVIDER (U1)
CONNECTION AUTHORIZED (C1)
CONTENT DOWNLOAD REQUEST (U2)
CONTENT PROVIDED (C2)
LOAD PACKAGE MEDIUM
SELECT DESIRED CONTENT TO BE DOWNLOADED
EXAMPLE OF CONTENT DELIVERY SERVICE

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FIG. 22

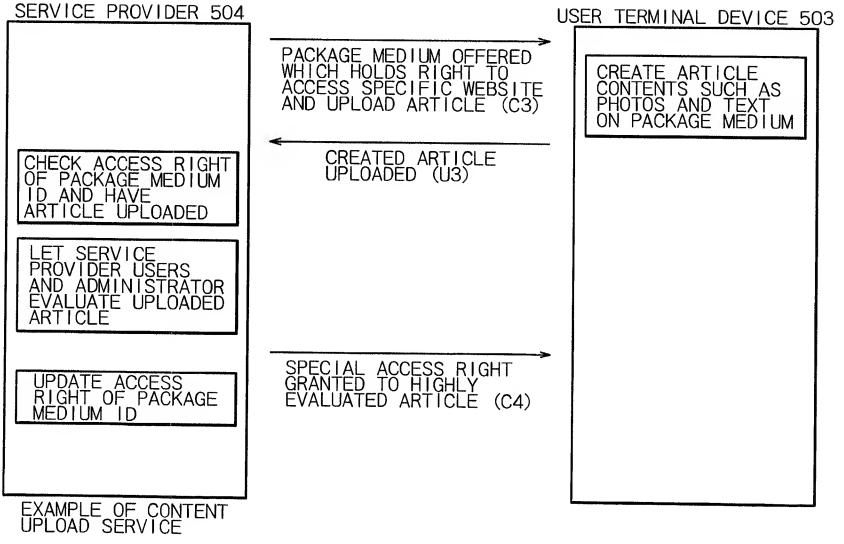
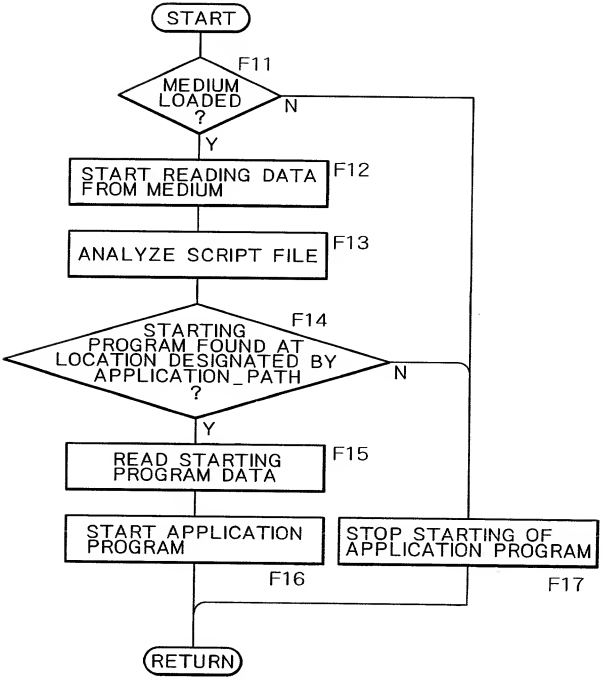


FIG. 23



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1002214-617200T

FIG. 24

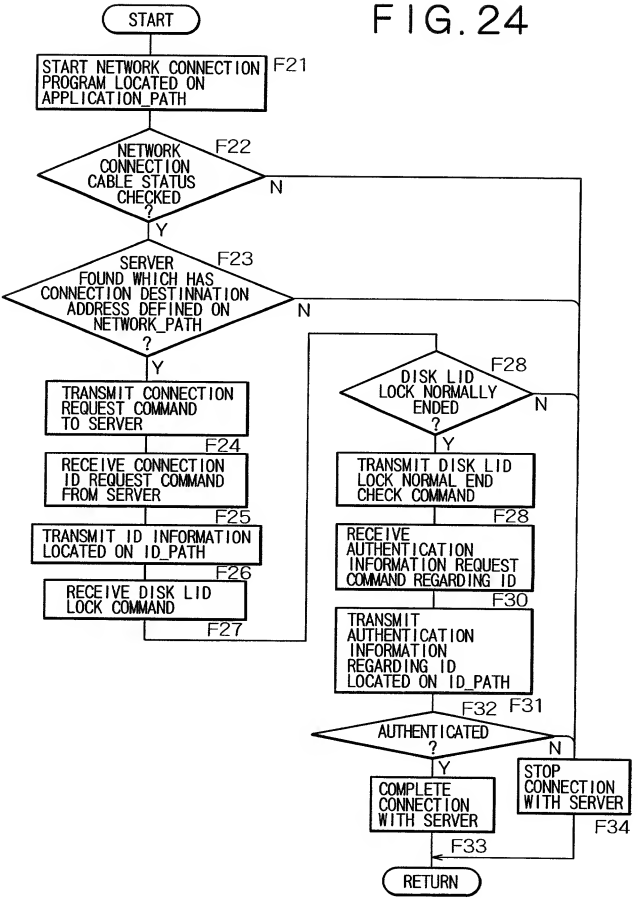

FIG. 25

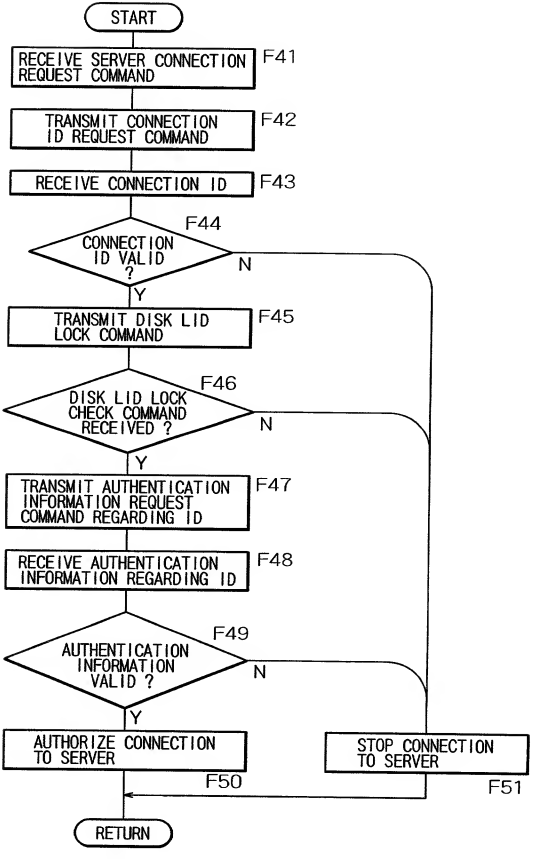

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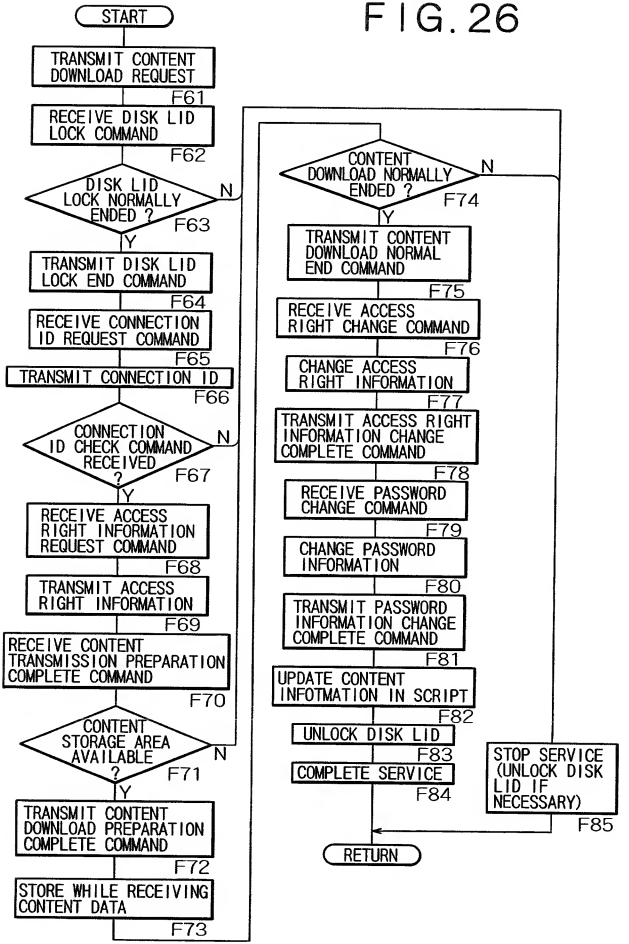
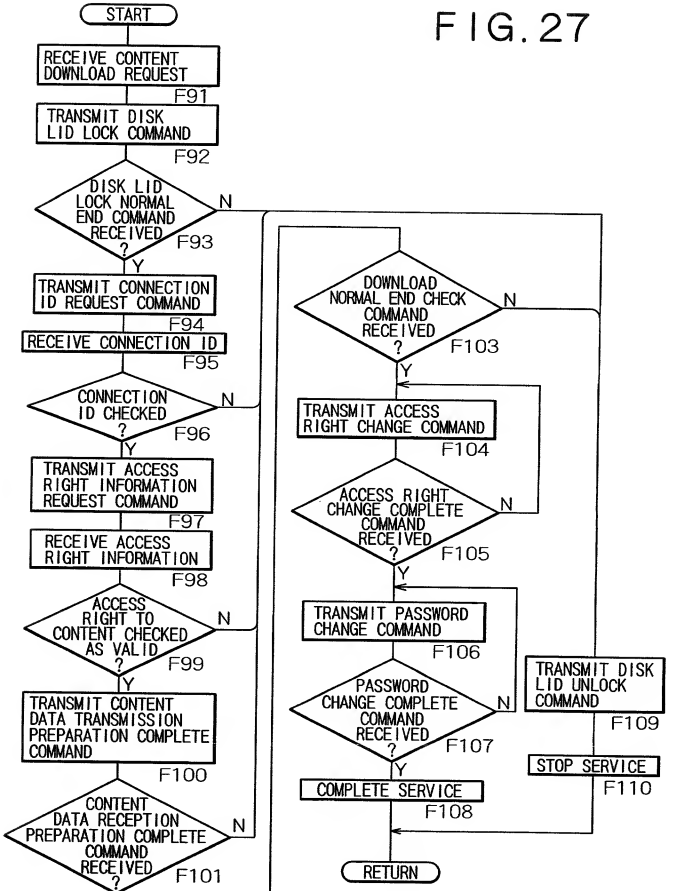
FIG. 26



JP2007-172001

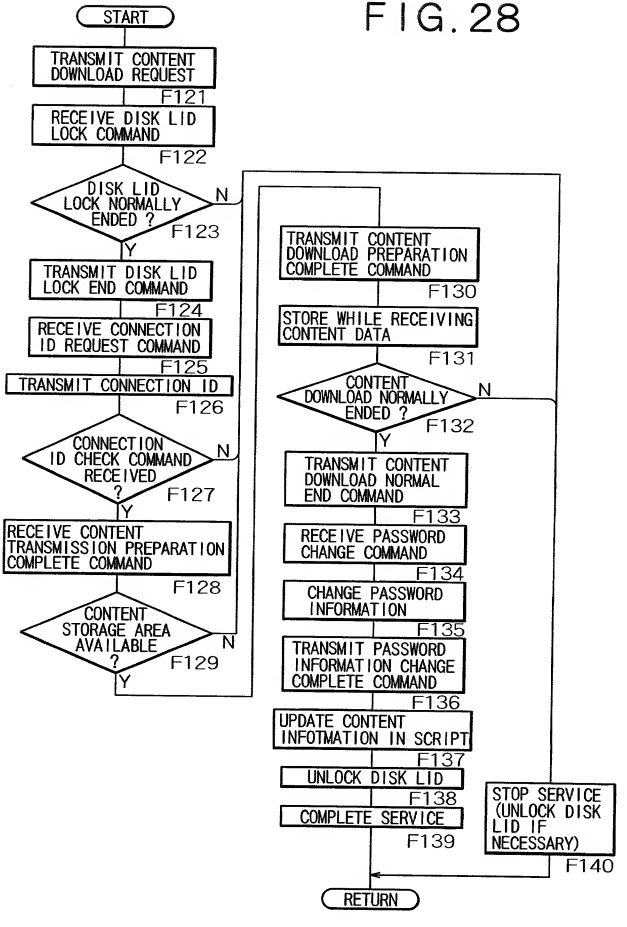
FIG. 27



JP2007-194412A 2007.08.02

JP2007-149221-A-20070614

FIG. 28



JP2007-134-11-2007

FIG. 29

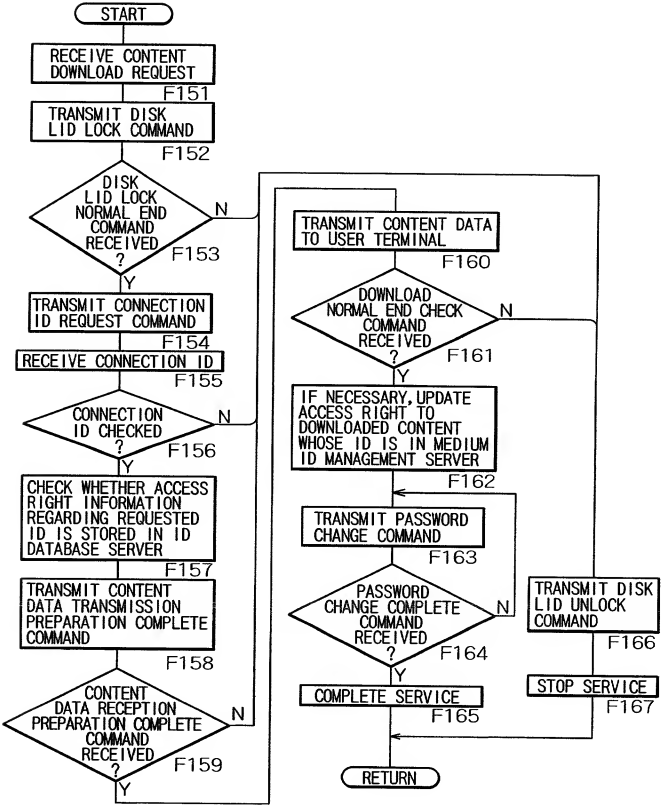


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FIG. 30

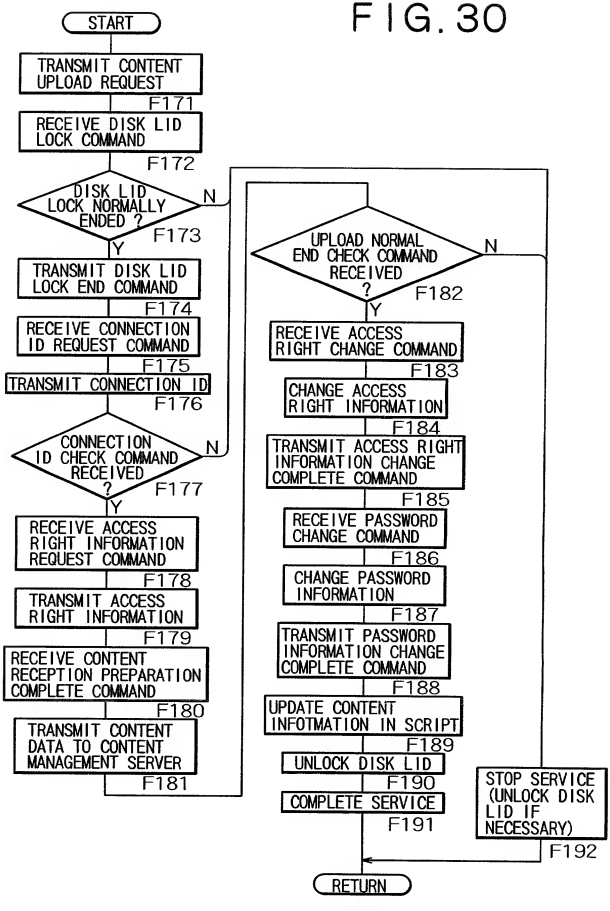
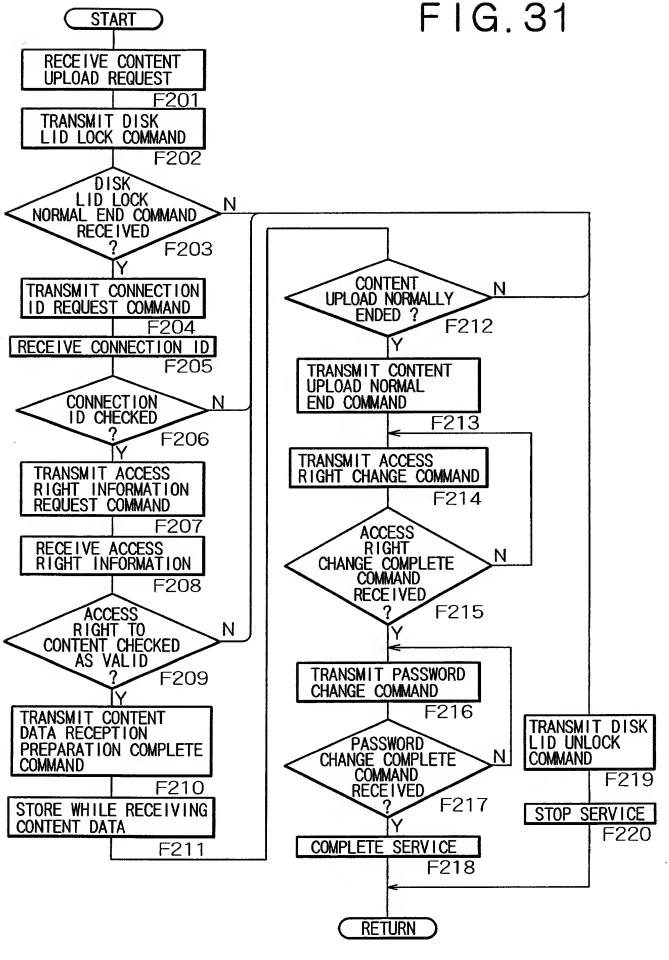


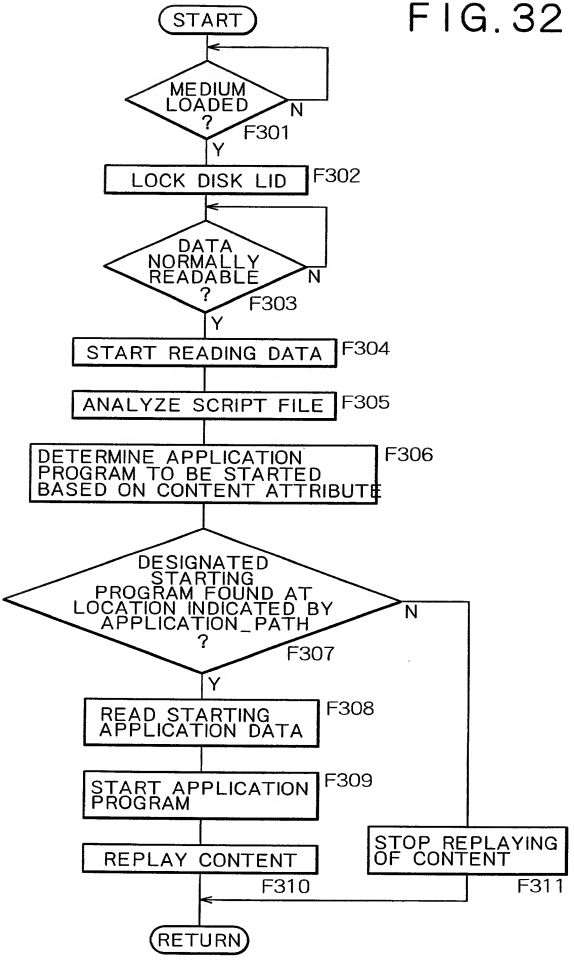
FIG. 31



2007-159414 2007-06-21

1002214911172001

FIG. 32



US 2002/0172419 A1 Nov. 21, 2002

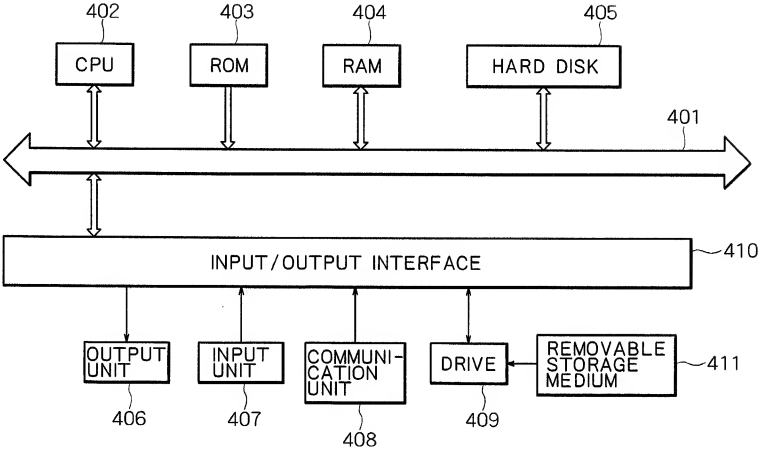



FIG. 33